

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/541, 937
Source: PCT
Date Processed by STIC: 08/03/2005

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 08/03/2005

PATENT APPLICATION: US/10/541,937

TIME: 07:53:31

Input Set : D:\gl 5090 01 US.txt

Output Set: N:\CRF4\08032005\J541937.raw

3 <110> APPLICANT: MENDRICK, Donna
 4 PORTER, Mark
 5 JOHNSON, Kory
 6 HIGGS, Brandon
 7 CASTLE, Arthur
 8 ELASHOFF, Michael
 10 <120> TITLE OF INVENTION: Molecular Cardiotoxicology Modeling
 12 <130> FILE REFERENCE: 44921-5090-02-US
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/541,937
 C--> 14 <141> CURRENT FILING DATE: 2005-07-08
 14 <150> PRIOR APPLICATION NUMBER: PCT/US/04/000240
 15 <151> PRIOR FILING DATE: 2004-01-08
 17 <150> PRIOR APPLICATION NUMBER: US 10/338,044
 18 <151> PRIOR FILING DATE: 2003-01-08
 20 <160> NUMBER OF SEQ ID NOS: 2696
 22 <170> SOFTWARE: PatentIn Ver. 2.1
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 27 <213> ORGANISM: Rattus norvegicus
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 30 <223> OTHER INFORMATION: Genbank Accession No. AA850922
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(Pg-67)

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 57 aggatcgagt cttctgtaat tcttctagct ccatccacat tctcctagta ggtctgggaa 360
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 72 gtcgtagtag acagacaatt aggaaagttg agccaataat tacgtggagg ccatgaaatc 180
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128 aaagcagcca tcaataaaga aagcgttcaa gctcaacata catacttaca cacactaatt 180
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148 gtagaatagc ggccgcaaag gtccttgctc tttttatcac tttttaaaaa cccgtgagat 360
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 2293
Seq#:16; N Pos. 14,27,108,115,139,143
Seq#:17; N Pos. 96,287
Seq#:18; N Pos. 15,85,162,198,205,236,237
Seq#:25; N Pos. 389
Seq#:30; N Pos. 480,513,575,576,591,609,611
Seq#:32; N Pos. 494,524,580,636,640,641
Seq#:37; N Pos. 603
Seq#:38; N Pos. 440
Seq#:39; N Pos. 359,462,570
Seq#:41; N Pos. 499,536
Seq#:42; N Pos. 496
Seq#:43; N Pos. 566
Seq#:45; N Pos. 471
Seq#:46; N Pos. 388,491
Seq#:47; N Pos. 489
Seq#:50; N Pos. 390,509
Seq#:52; N Pos. 646,649
Seq#:54; N Pos. 658,663
Seq#:55; N Pos. 553
Seq#:66; N Pos. 578,634,667
Seq#:83; N Pos. 449,602,706
Seq#:84; N Pos. 354
Seq#:86; N Pos. 486,496,542,543,547
Seq#:87; N Pos. 500
Seq#:88; N Pos. 471
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Seq#:94; N Pos. 525
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Seq#:105; N Pos. 528
Seq#:107; N Pos. 587,626
Seq#:115; N Pos. 494
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Seq#:180; N Pos. 404
Seq#:183; N Pos. 191,472,478
Seq#:185; N Pos. 424
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Seq#:207; N Pos. 359
Seq#:211; N Pos. 433
Seq#:212; N Pos. 528
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Seq#:240; N Pos. 528

Seq#:242; N Pos. 124,127

Seq#:248; N Pos. 384

Seq#:262; N Pos. 475

Seq#:289; N Pos. 315,528

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
 L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:2280
 L:722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
 M:341 Repeated in SeqNo=16
 L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60
 M:341 Repeated in SeqNo=17
 L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 M:341 Repeated in SeqNo=18
 L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360
 L:1013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:420
 M:341 Repeated in SeqNo=30
 L:1055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:480
 M:341 Repeated in SeqNo=32
 L:1161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:600
 L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:420
 L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:300
 M:341 Repeated in SeqNo=39
 L:1259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:480
 L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:480
 L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:540
 L:1353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:420
 L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:360
 M:341 Repeated in SeqNo=46
 L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:480
 L:1466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:360
 M:341 Repeated in SeqNo=50
 L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:600
 L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:600
 M:341 Repeated in SeqNo=54
 L:1590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:540
 L:1811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:540
 M:341 Repeated in SeqNo=66
 L:2144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:420
 M:341 Repeated in SeqNo=83
 L:2169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:300
 L:2216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:480
 M:341 Repeated in SeqNo=86
 L:2242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:480
 L:2267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:420
 L:2291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:420
 M:341 Repeated in SeqNo=89
 L:2400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:480
 L:2485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:600
 L:2628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:480
 L:2673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:540
 M:341 Repeated in SeqNo=107
 L:2834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:480

VERIFICATION SUMMARY

DATE: 08/03/2005

PATENT APPLICATION: US/10/541,937

TIME: 07:53:32

Input Set : D:\gl 5090 01 US.txt

Output Set: N:\CRF4\08032005\J541937.raw

L:3226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:540
L:3852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:420
L:3916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:360
L:4080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:360